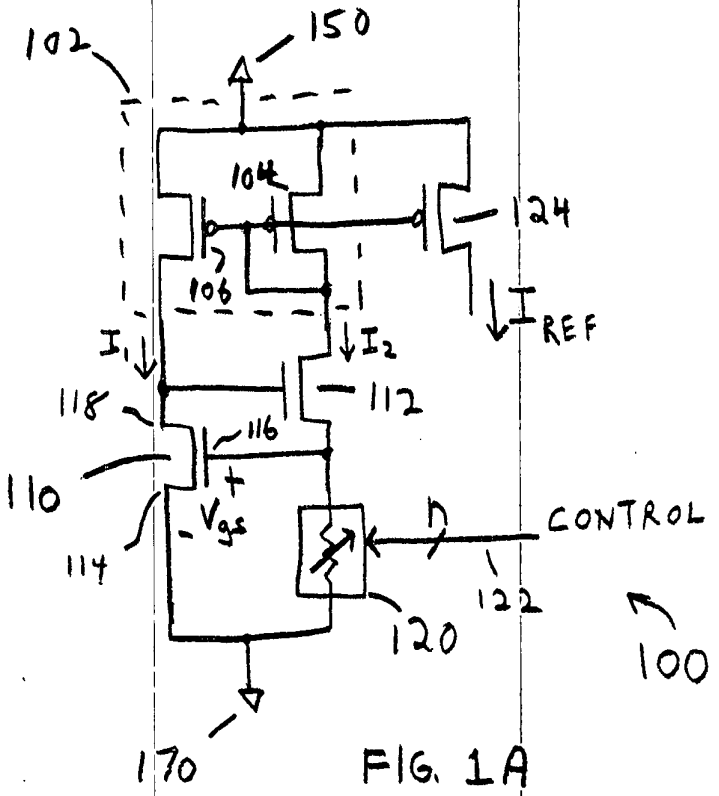

FIG. 1A

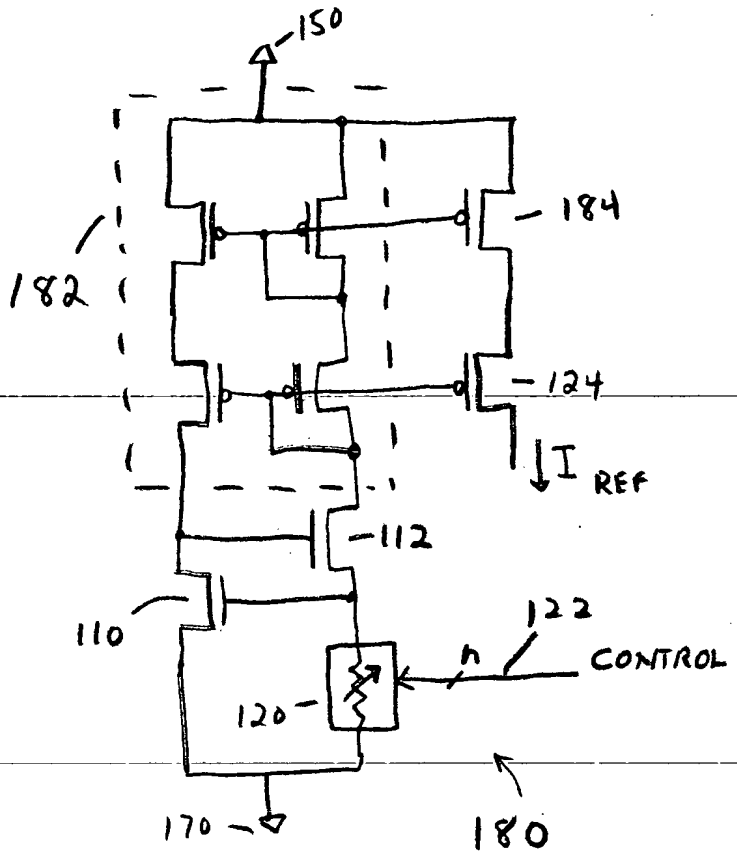

FIG. 1B

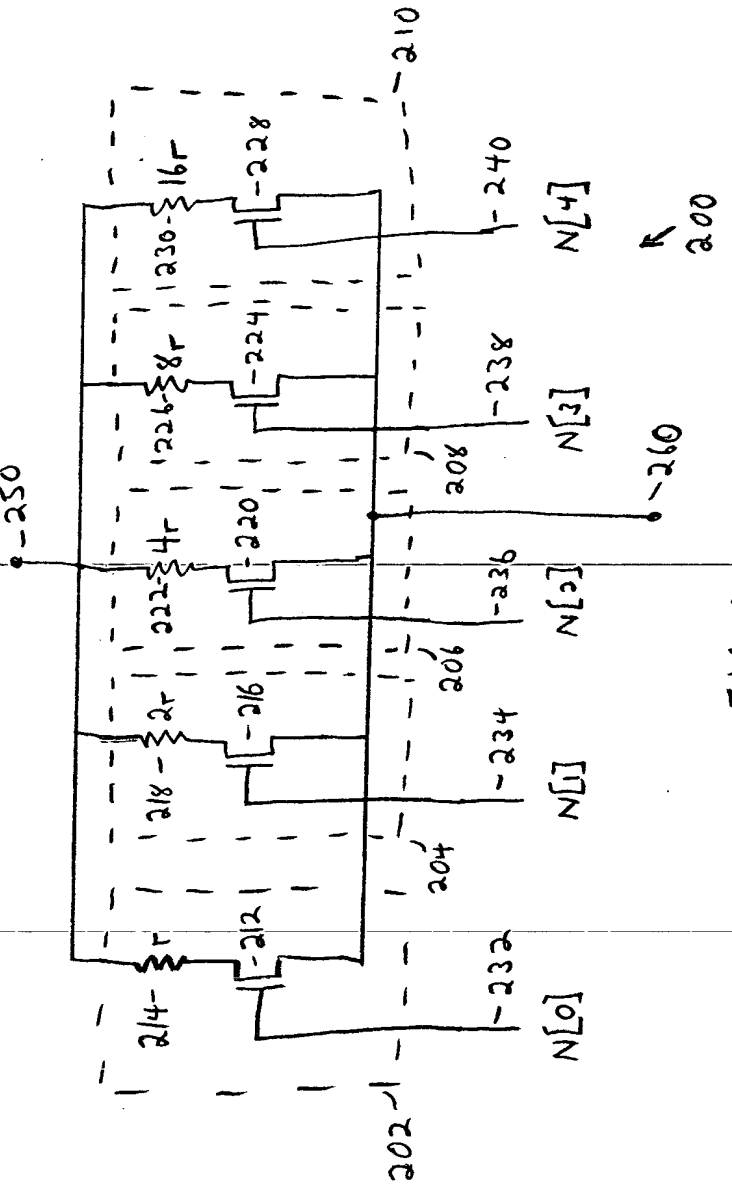
200
202
204
206
208
210
212
214
216
218
220
222
224
226
228
230
232
234
236
238
240
250
260
N[0]
N[1]
N[2]
N[3]
N[4]
1R
2R
4R
8R
16R

FIG. 2

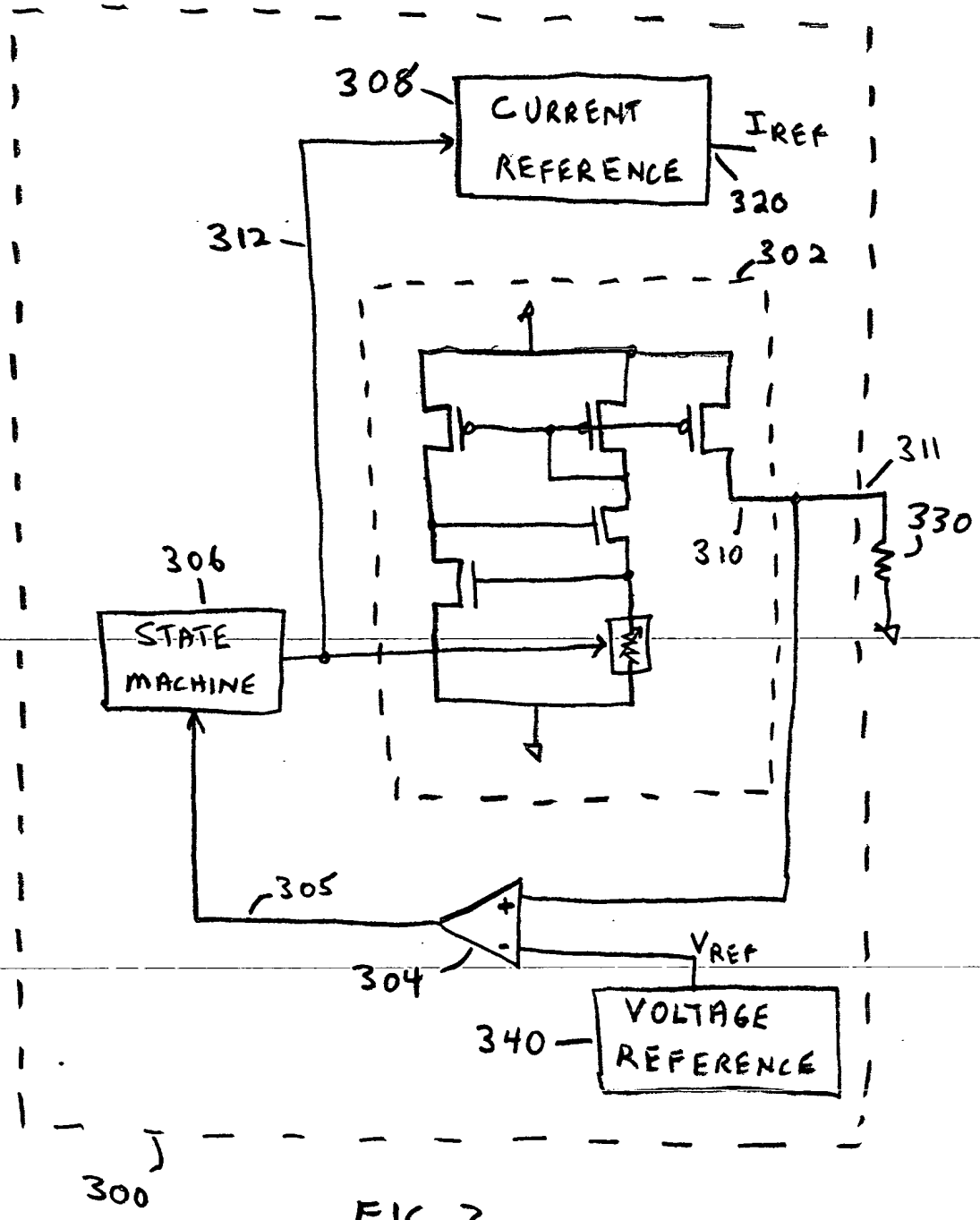
308
CURRENT REFERENCE
IREF
320
312
302
311
330
310
306
STATE MACHINE
305
304
VREF
340
VOLTAGE REFERENCE
300

FIG. 3

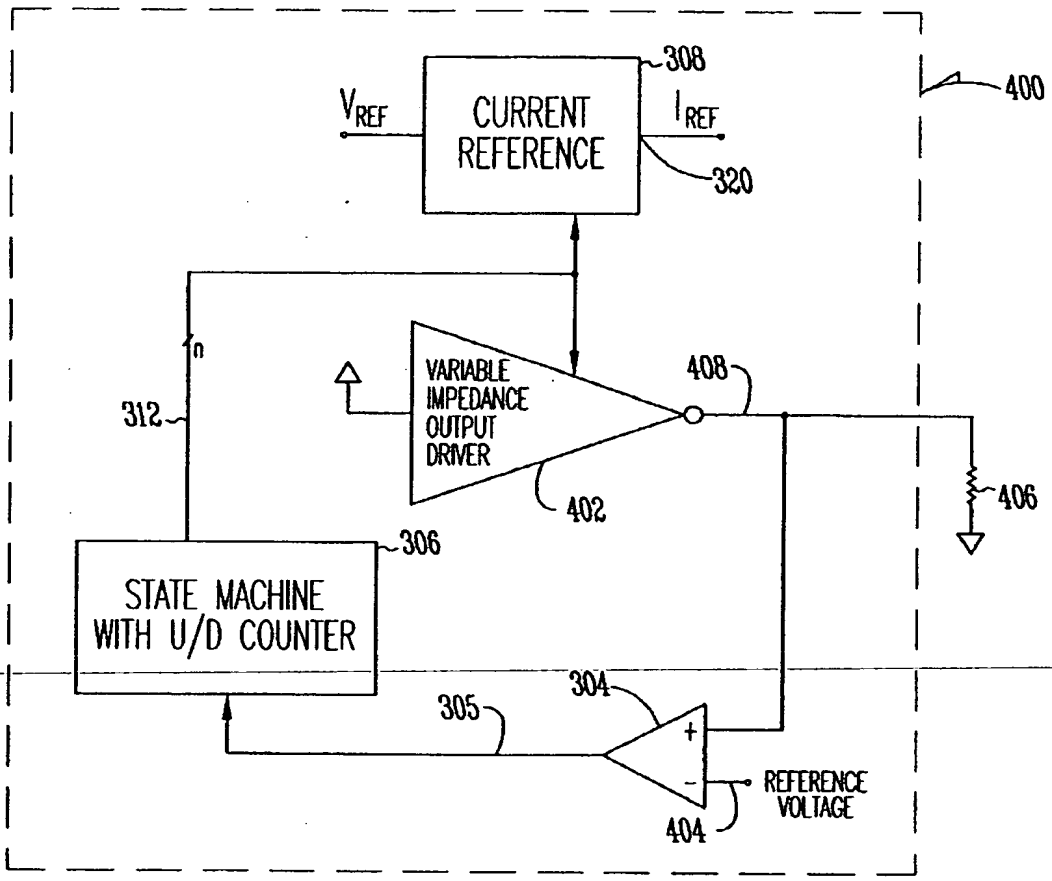
400
308
V_{REF}
CURRENT REFERENCE
I_{REF}
320
VARIABLE IMPEDANCE OUTPUT DRIVER
408
312
402
406
306
STATE MACHINE WITH U/D COUNTER
304
305
+
-
REFERENCE VOLTAGE
404

Fig. 4

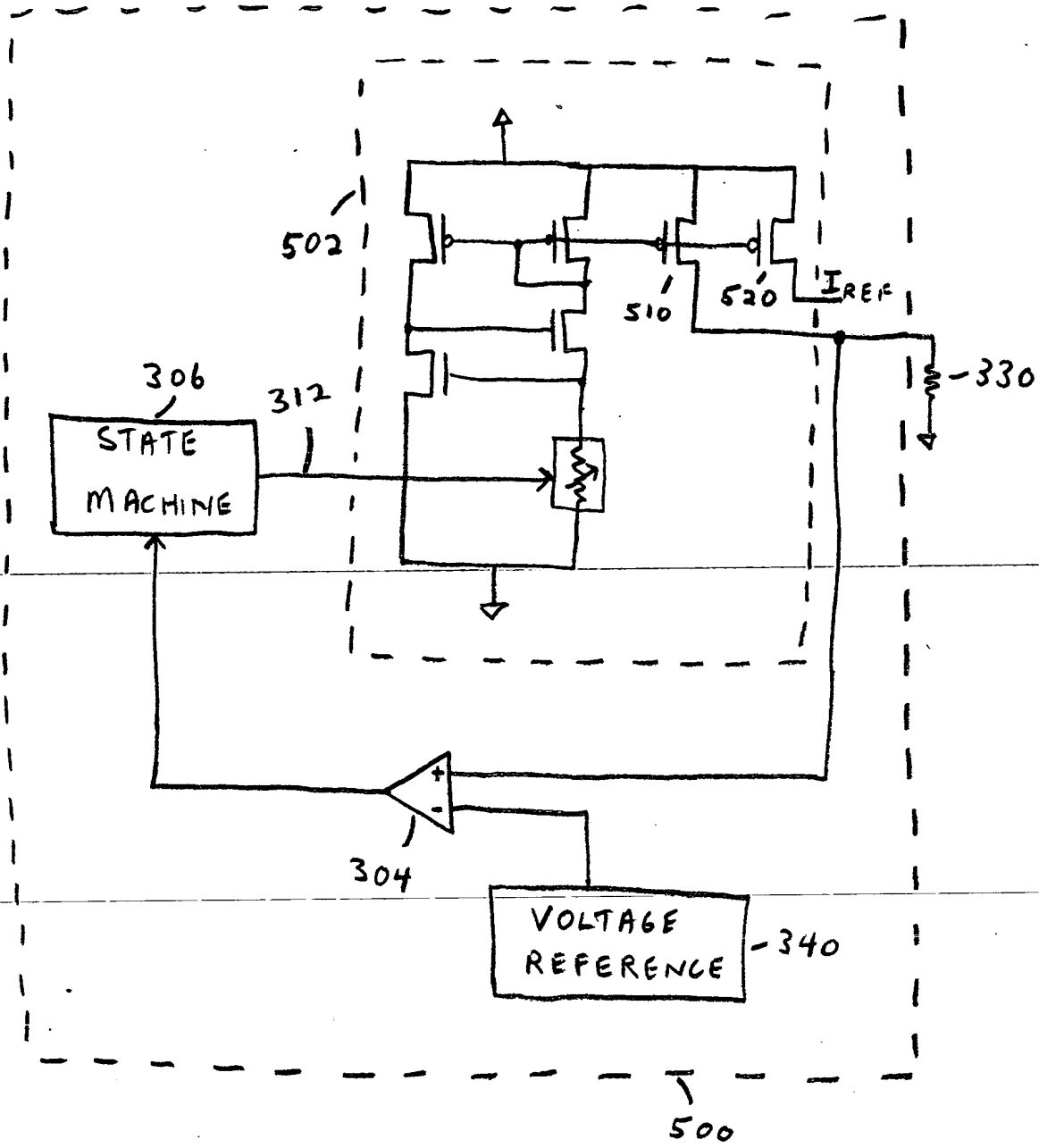
502
510
520
I_{REF}
330
306
STATE MACHINE
312
304
VOLTAGE REFERENCE
340
500

FIG. 5